APPENDIX B: SYSTEM VERIFICATION

ELEMENT

DUT: Dipole 3500.0 MHz; Type: D3500V2 - SN1055

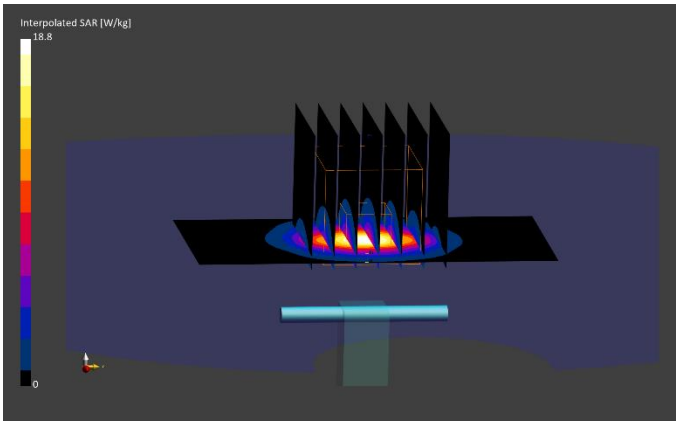
Communication System: UID: 0, CW; Frequency: 3500.0 MHz
Medium: 3600 Head; Medium parameters used:
f = 3500.0 MHz; cond = 2.91 S/m; perm = 36.5; density = 1000 kg/m^3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/10/2022; Ambient Temp: 21.6°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7639; ConvF:(7.58,7.58,7.58); Calibrated: 2021-11-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1646; Calibrated: 2021-11-11
Phantom: Twin-SAM V8.0; Serial: 1736
Measurement SW: DASY Module SAR V16.2.0.1425

3500 MHz System Verification at 20 dBm (100 mW)

Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm
Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 18.8 W/kg
SAR(1 g) = 6.84 W/kg; SAR(10 g) = 2.56 W/kg
Deviation (1 g) = 0.88%; Deviation (10 g) = -2.18%;



ELEMENT

DUT: Dipole 3700.0 MHz; Type: D3700V2 - SN1002

Communication System: UID: 0, CW; Frequency: 3700.0 MHz
Medium: 3600 Head; Medium parameters used:
f = 3700.0 MHz; cond = 3.06 S/m; perm = 36.2; density = 1000 kg/m^3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/10/2022; Ambient Temp: 21.6°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7639; ConvF:(7.39,7.39,7.39); Calibrated: 2021-11-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1646; Calibrated: 2021-11-11
Phantom: Twin-SAM V8.0; Serial: 1736
Measurement SW: DASY Module SAR V16.2.0.1425

3700 MHz System Verification at 20 dBm (100 mW)

Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm
Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 18.8 W/kg
SAR(1 g) = 6.73 W/kg; SAR(10 g) = 2.45 W/kg
Deviation (1 g) = -2.18%; Deviation (10 g) = -1.61%;